

**BEST AVAILABLE COPY**

PATENT NUMBER

6,671,662

U.S. UTILITY Patent Application

FF

**O.I.P.E.**

PATENT DATE

SCANNED HT Q.A. CS

December 30, 2003

APPLICATION NO.  
09/635116

**CONT/PRIOR**  
**D**

**CLASS**  
**703**

**SUBCLASS**  
19

ART UNIT  
2763

EXAMINER Ferris

Sujian Huang  
Chris Caythorpe

Method for simulating drilling of roller cone bits and its application to roller cone bit design and performance

PTD-2040  
12/89

## ISSUING CLASSIFICATION

ORIGINAL		CROSS REFERENCE(S)						
CLASS	SUBCLASS	CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)					
703	10	703	7					
INTERNATIONAL CLASSIFICATION		702	9					
606F	9/455	345	711					
606F	19/00	340	853.6					
EZ1B	10/16	175	331					

☐ Continued on Issue Slip Inside File Jacket

☒ **TERMINAL  
DISCLAIMER**

09/635, 116

☐ The term of this patent subsequent to \_\_\_\_\_ (date) has been disclaimed.

☒ The term of this patent shall not extend beyond the expiration date of U.S. Patent No. 6,516,391

☐ The terminal \_\_\_\_ months of this patent have been disclaimed.

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Form PTO-435A  
(Rev. 5/99)

## DRAWINGS

**CLAIMS ALLOWED**

**Sheets Drwg.**

**Figs. Drwg.**

Print Flg.

**Total Claims**

Print Claim for O.G.

**NOTICE OF ALLOWANCE MAILED**

ISSUE FEE

**Amount Due**

**Date Paid**


**ISSUE BATCH NUMBER**

FILED WITH: ☐ DISK (CRF) ☐ FICHE ☐ CD-ROM

(Attached in pocket on right inside flap)

FORMAL UKRAINIS

(FACE)

<b>Issue Classification</b> 	Application No.	Applicant(s)	
	09/635,116	HUANG ET AL.	
	Examiner	Art Unit	703/10
Fred Ferris	2128		

ISSUE CLASSIFICATION									
ORIGINAL				CROSS REFERENCE(S)					
CLASS		SUBCLASS		CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)				
703		10		703	7				
INTERNATIONAL CLASSIFICATION				702	9				
G 0 6 F	9 1 4 5 5	3 4 5	7 1 1						
G 0 6 F	1 9 1 0 0	3 4 0	8 5 3 . 6						
E 2 1 B	1 0 1 1 6	1 7 5	3 3 1						
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<i>Fred Ferris</i> 7/1/04 (Assistant Examiner) (Date)	<i>[Signature]</i> <b>KEVIN J. TESKA</b> SUPERVISORY PATENT EXAMINER 7/8/04 (Date)	Total Claims Allowed: 9  O.G. Print Claim(s) 1 (10)	O.G. Print Fig. 1 (10)
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<input type="checkbox"/> Claims renumbered in the same order as presented by applicant		<input type="checkbox"/> CPA		<input type="checkbox"/> T.D.		<input type="checkbox"/> R.1.47	
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